

THIN PRESTRESSED CONCRETE PANEL AND METHOD
AND APPARATUS FOR MAKING THE SAME

ABSTRACT

5 A thin, prestressed concrete panel, having a thickness of about one and one-half
inch thickness or less, and apparatus for making the same is disclosed. Pairs of
prestressed tendons extend between the side and end portions of the panel. The tendons
of each pair are positioned on each side of the mid-plane of the panel and spaced from
such mid-plane so as to increase panel strength and prevent warping of the panel. A
10 molding apparatus for casting the panel comprises a bottom plate, a pair of opposite
side portions, and a pair of opposite end portions. Slots are defined in the side and end
portions through which tendons are inserted prior to pouring concrete in the mold.
Tensioning means are provided for prestressing the tendons in the longitudinal and
lateral directions of the panel.